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 INVENTOR NAKAMURA KEIKO
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 TITLE CHIMERA INSECTICIDAL PROTEIN OF BACILLUS THURINGIENSIS
 ABSTRACT PURPOSE : To obtain a chimera insecticidal protein gene, by cleaving
 a gene capable of coding two species of insecticidal proteins of
 Bacillus thuringiensis with a restriction enzyme and replacing the
 respective corresponding regions.
 CONSTITUTION : A gene capable of coding 125 KD insecticidal protein
 and 130 KD insecticidal protein of Bacillus thuringiensis subsp.
 aizawai IPL strain is cleaved with restriction enzymes KpnI and
 HindIII to provide respective three regions of base Nos. (1-2174),

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 (2175-2744), (2745-3465) and (1-2174), (2175-2822) and (2823-3528)
 and the respective regions of base Nos. (1-2174) are then cleaved
 with EcoRI and EcoRV to afford three regions of base Nos. (1-994),
 (995-1567) and (1568-2174). Thereby the respective five regions are
 obtained. The corresponding regions (one of the three or five
 regions) of both genes are replaced to construct a chimera
 insecticidal protein gene. A microorganism transformed with a gene
 expression plasmid containing the above- mentioned genes is
 cultivated to afford the aimed chimera insecticidal protein effective
 against diamondback moth (*Plutella xylostella*) and *Prodenia litura*
 (tobacco cutworm)